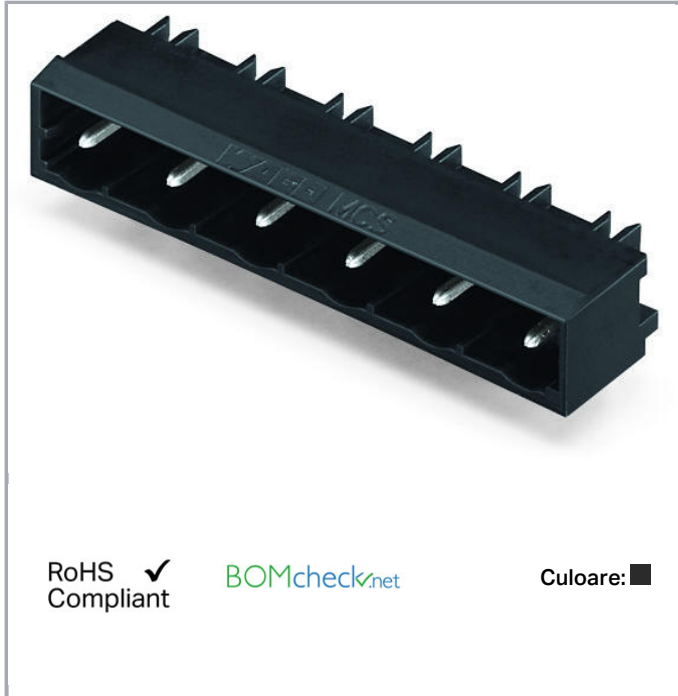


Fișă tehnică | Număr articol: 231-838/001-000/105-604

THR male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 8-pole; black



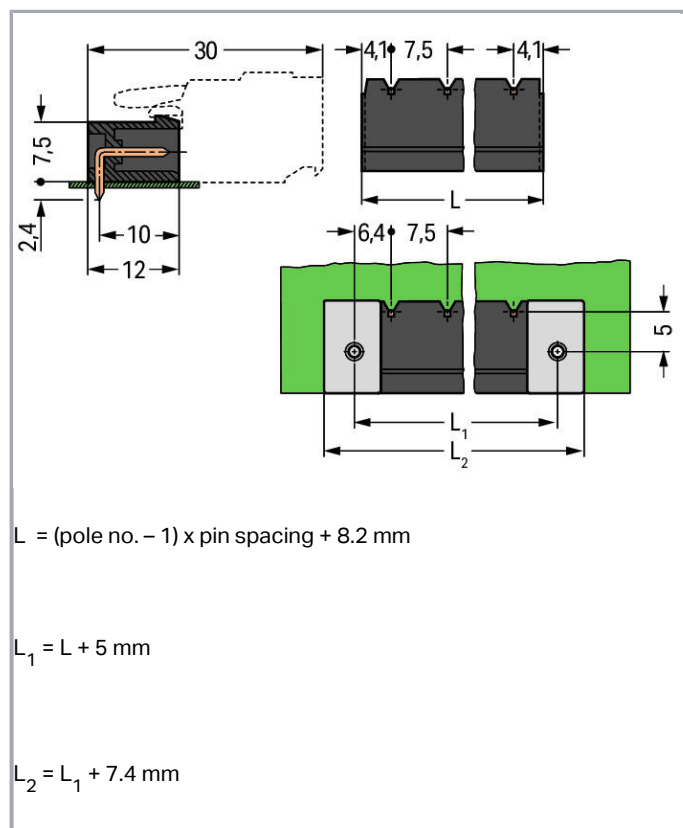
[www.wago.com/231-838/001-000/105-604](http://www.wago.com/231-838/001-000/105-604)



Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Also available in bulk packaging for manual placement
- Male headers may be mounted horizontally or vertically
- With coding fingers

### Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Date

### Electrical data

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**Ratings per IEC/EN 60664-1**

| Ratings per                 | IEC/EN 60664-1   |
|-----------------------------|--|
| Nominal voltage (III/3)     | 500 V  |
| Rated surge voltage (III/3) | 6 kV   |
| Rated voltage (III/2)       | 630 V  |
| Rated surge voltage (III/2) | 6 kV   |
| Nominal voltage (II/2)      | 1000 V   |
| Rated surge voltage (II/2)  | 6 kV   |
| Rated current               | 12 A   |
| Legend (ratings)            | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

**Approvals per UL 1059**

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 10 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |
| Approvals per                  | UL 1059 |

**Approvals per UL 1977**

|                       |       |
|-----------------------|-------|
| Rated voltage UL 1977 | 600 V |
| Rated current UL 1977 | 10 A  |

**Approvals per CSA**

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 10 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A  |

**Connection data**

|                            |   |
|----------------------------|---|
| Pole No.                   | 8 |
| Total number of potentials | 8 |
| Number of connection types | 1 |
| Number of levels           | 1 |

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## Geometrical Data

|                                    |                          |
|------------------------------------|--------------------------|
| Pin spacing                        | 7.5 mm / 0.295 inch      |
| Width                              | 60.5 mm / 2.382 inch     |
| Height                             | 10.8 mm / 0.425 inch     |
| Height from the surface            | 8.4 mm / 0.331 inch      |
| Depth                              | 12 mm / 0.472 inch       |
| Solder pin length                  | 2,4 mm                   |
| Solder pin dimensions              | 1 x 1 mm                 |
| Plated through-hole diameter (THR) | 1.4 <sup>(+0.1)</sup> mm |

## Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCBs            |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 0°                  |

## PCB contact

|                                     |   |
|-------------------------------------|---|
| PCB contact                         | THR                                     |
| Solder pin arrangement              | over the entire male connector, in line |
| Number of solder pins per potential | 1                                       |

## Material Data

|                             |  |
|-----------------------------|--|
| Color                       | black                                  |
| Material group              | I                                      |
| Insulation material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,077 MJ                               |
| Weight                      | 3,6 g                                  |

## Environmental Requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
|-------------------------|-----------------|

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Aveți întrebări despre produsele noastre?  
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## Commercial data


|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | PL                     |
| GTIN                  | 4045454901172          |
| Customs tariff number | 85366990990            |

## Aprobări / certificate



### Country specific Approvals

| Emblemă  | Aprobare                              | Text de aprobare suplimentar | Nume certificat |
|--|---------------------------------------|------------------------------|-----------------|
|  | CSA<br>DEKRA Certification B.V.       | C22.2                        | 1466354         |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                     | 2190761.01      |

### Ship Approvals

| Emblemă  | Aprobare                           | Text de aprobare suplimentar | Nume certificat          |
|--|------------------------------------|------------------------------|--------------------------|
|  | ABS<br>American Bureau of Shipping | -                            | 19-<br>HG1869876-<br>PDA |

### UL-Approvals

| Emblemă  | Aprobare                             | Text de aprobare suplimentar | Nume certificat     |
|--|--------------------------------------|------------------------------|---------------------|
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                      | E45172              |
|  | UR<br>Underwriters Laboratories Inc. | UL 1977                      | 20150318-<br>E45171 |

Supus modificărilor.

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## Counterpart



Nr. articol: 231-208/026-000

1-conductor female plug; 2.5 mm<sup>2</sup>; Pin spacing 7.5 mm; 8-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/231-208/026-000](http://www.wago.com/231-208/026-000)

## Produse compatibile

### Coding



Nr. articol: 231-130

Coding key; snap-on type; light gray

[www.wago.com/231-130](http://www.wago.com/231-130)



Nr. articol: 231-500

Spacer; for formation of groups; light gray

[www.wago.com/231-500](http://www.wago.com/231-500)

### Marking accessories



Nr. articol: 210-833

Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

[www.wago.com/210-833](http://www.wago.com/210-833)



Nr. articol: 210-834

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

[www.wago.com/210-834](http://www.wago.com/210-834)

## Descărcări

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf  
3,6 MB

Descărcare

### CAD/CAE-Data

#### CAD data

2D/3D Models 231-838/001-000/105-604

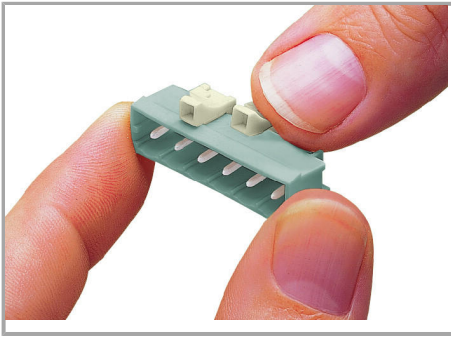
URL

Descărcare

## Installation Notes

### Coding

Supus modificărilor.



Coding a male header – fitting coding key(s).

## Familie de produse

*MCS* MIDI Classic

Afișare globală produse din familie.

Supus modificărilor.